ETERNITY NE
Quick Start

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ETERNITY NE

The Next Generation IP PBX for Small Businesses

Quick Start

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This is a general documentation for all models/configurations of the product. The product may not support some of the features/facilities described in this document.

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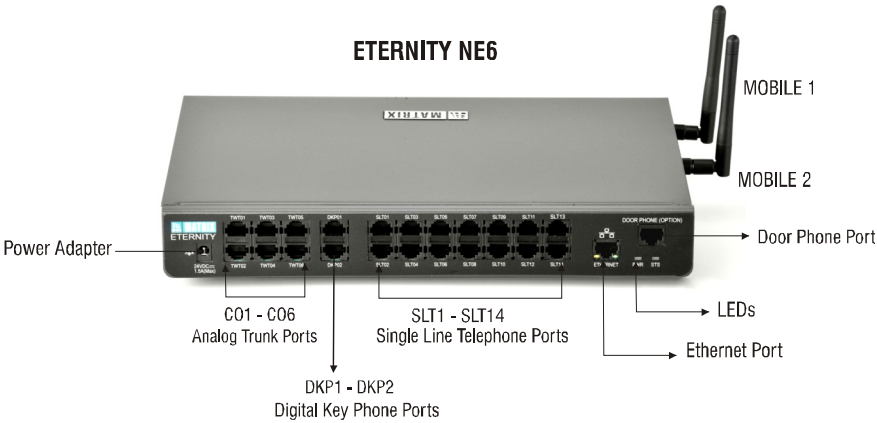
Know Your ETERNITY NE

Thank you for choosing the Matrix ETERNITY NE! Please read the instructions in this Quick Start to install and operate this feature-rich IP PBX. This is a common Quick Start for all configurations of ETERNITY NE. For the purpose of illustration, ETERNITY NE6 is used throughout this document.

This Quick Start is meant to help you install and configure the basic parameters of the system. For advanced configuration and feature description, please refer the System Manual provided to you on the CD-ROM shipped with your ETERNITY NE.

ETERNITY NE Overview



ETERNITY NE variants:

ETERNITY NE2	2 CO Ports, 2 GSM/UMTS Ports, 4 SIP trunks, 2 DKP, 4 SLT, 8* IP Extensions.
ETERNITY NE3	3 CO Ports, 2 GSM/UMTS Ports, 4 SIP trunks, 2 DKP, 6 SLT, 8* IP Extensions.
ETERNITY NE4	4 CO Ports, 2 GSM/UMTS Ports, 4 SIP trunks, 2 DKP, 10 SLT, 8* IP Extensions.
ETERNITY NE6	6 CO Ports, 2 GSM/UMTS Ports, 4 SIP trunks, 2 DKP, 14 SLT, 8* IP Extensions.

* To connect more IP extensions you need to purchase the IP8 license.

Ports and Connectors

Port	Description
24VDC- 2A (Max)	Connector for the power adapter.
CO	Analog trunk port to connect analog trunk line. RJ11 connector.
DKP	Digital Key Phone port to connect • the proprietary digital key phone of Matrix, EON. • the PC-based phone EONSOFT. • the direct station selection console, DSS64 to expand EON's key map
SLT	Single Line Telephone (SLT) port to connect any standard analog telephone instrument and fax machine.
Ethernet	Ethernet port. Can be used as • **LAN** interface to connect a computer/LAN Switch. • **WAN** interface* to connect to IP network. As Ethernet WAN, you can connect a DSL modem/Router or a LAN Switch.
Door Phone	Door Phone port to connect • a four-wire door phone. • a door lock release (Relay).
Mobile 1 & Mobile 2	Single SIM mobile ports to connect to the GSM/UMTS network.

* To connect SIP Trunks/IP extensions the VoIP module (optional) must be present in your ETERNITY NE. To connect more than 8 SIP extensions, you must purchase the IP8 license.

LED

LED	Description	Colour and Cadence
PWR	Power LED. Turns on when power is supplied	Green. continuous ON
STS	Status LED. Blinks to indicate health of the system.	Green. ON 1 second - OFF 1 second, on completion of boot-up.

Preparing for Installation

Have the items listed below ready:

- A suitable location to install the ETERNITY NE.
- Necessary telecom wiring in place, with wall jacks for extension lines at the required locations.
- Standard, good quality, twisted pair telephone cables with 0.5 mm conductor diameter, with RJ11 plugs.
- A dedicated Power supply outlet close to the system.
- As many standard analog telephone instruments as you want to connect as SLT extensions. You may select any standard telephone instrument like rotary phone, Pulse/Tone switchable push-button phone, Feature phone or Cordless phone.
- A fax machine, if you want to connect one to the SLT port of ETERNITY NE.
- One or two digital keyphones (Matrix proprietary phones), as required, to connect as DKP extensions.
- One or more active, analog trunk lines from the CO network, as required.
- A SIM card to test mobile network connectivity, if GSM/UMTs module is to be installed.
- SIP Account information to be configured in the system to test SIP calls, if the VoIP module is to be installed.
- Any standard Open IP Phone or the Matrix Extended IP Phone to register as SIP Extension of ETERNITY NE, if required.
- The Pen Drive and the License Voucher if Voice Mail System (VMS) module is to be installed.

- A standalone computer or a computer connected in a LAN to access ***Jeeves***, the web-based configuration tool of ETERNITY NE.

Selecting the Site

Select an appropriate site to install the ETERNITY NE. The site should:

- be well-ventilated, moisture and dust free; not exposed to direct sunlight, heat or excessive cold, or water; be away from water bodies and sources of water.

- be away from sources of electromagnetic noise such as any radio equipment, heavy transformers, etc.

- have sufficient network coverage available, if the GS/UMTS module is present in the system.

This is an electronic device. Protect yourself from shock hazards. Never handle the product in power on condition. Always wear an electrostatic discharge prevention wrist strap/belt and use a grounding mat when handling the product.

Protect the ETERNITY NE from heavy voltages entering from CO trunk and Extension lines. Install Primary Protection Modules (PPM) with Gas Discharge Tubes (GDT) and fuses on entry points for all trunk lines and extensions.

For Safety Instructions, see the System Manual provided to you on the CD ROM.

Getting Started

- Unpack ETERNITY NE and verify your package contents. In case any of the items is missing or damaged, contact your Dealer/Distributor.

Package Contents

- ETERNITY NE with side clamps.
- Two self tapping screws (M7x30 PAN PH).
- Screw Grips
- Power Adapter 24VDC, 2Amp
- Ethernet cable
- CD ROM (System Manual, Quick Start, User Card)
- ETERNITY NE User Card
- ETERNITY NE Quick Start
- Warranty Card

Installing Optional Modules

GSM/UMTS Module

- Unpack the GSM/UMTS Module and verify package contents.
- Make sure power supply is turned off before you begin installation.
- Unscrew and remove the top cover of the enclosure. Keep the screws and the cover aside.
- Select the Mobile port you want to install the GSM/UMTS module.
- Remove the screws on the studs and keep them aside.
- The slots for the GSM/UMTS module are located on the side panel and are covered with a flap. Use your finger or any blunt object to press the slot cover from the outside of the panel to release the flap.
- Now, grasp the flap from inside the enclosure and pull up the flap.
- Gently seat the GSM/UMTS module on the connector on the mainboard such that the SIM holder and the antenna connector emerge from the respective slots. The connector pins on the module must make complete contact with those on the mainboard. Do not apply pressure.
- When the module is seated firmly on the connector on the mainboard, secure the module with the screws on the studs.
- If you have no other module(s) to install, replace the top cover and secure the cover with the screws.

VoIP Module

- Unpack the VoIP module and verify package contents.
- Make sure power supply is turned off before you begin installation.
- Unscrew and remove the top cover of the enclosure. Keep the screws and the cover aside.

- Locate the connector of the VoIP module on the mainboard. Remove the screws on the studs for the module and keep them aside.

- Gently seat the VoIP module on the connector on the mainboard. The connector pins on the module must make complete contact with those on the mainboard. Do not apply pressure.

- When the module is seated firmly on the connector on the mainboard, secure the module with the screws on the studs.

- If you have no other module(s) to install, replace the top cover and secure the cover with the screws.

Voice Mail System Module

- The Voice Mail System (VMS) module is supplied as a Pen Drive, with a License Voucher which you must activate to use the module. Unpack the Voice Mail System module and verify package contents.

- Make sure power supply is turned off before you begin installation.

- Unscrew and remove the top cover of the enclosure. Keep the screws and the cover aside.

- Locate the USB port on the the mainboard. Connect the Pen Drive to the upper USB port on the mainboard.

- If you have no other module(s) to install, replace the top cover and secure the cover with the screws.

- Activate the License for the VMS. See “Activating License Key” under *Configuring ETERNITY NE* for instructions.

Door Phone Module

- Unpack the Door Phone module and verify package contents.

- Make sure power supply is turned off before you begin installation.

- Unscrew and remove the top cover of the enclosure. Keep the screws and the cover aside.

- Locate the connector of the Door Phone module on the mainboard. Remove the screws on the studs for the module and keep them aside.

- The slot for the Door Phone module is located on the back panel and is covered with a flap. Use your finger to press the slot cover from the outside of the side panel of the enclosure, and release the flap.

- Now, grasp the flap from inside the enclosure and pull up the flap.

- Gently seat the Door Phone module on the connector on the mainboard such that the RJ45 connector of the module is aligned with the slot, and the connector pins on the module make complete contact with those on the mainboard. Do not apply pressure.

- When the module is seated firmly on the connector on the mainboard, secure the module with the screws on the studs.

- If you have no other module(s) to install, replace the top cover and secure the cover with the screws.

Connecting to Trunks

CO Trunks (Analog two-wire Trunks)

- Use standard, good quality, twisted-wire pair telephone cables with RJ11 plugs to connect the CO ports of ETERNITY to the Trunk Lines from your CO (central office).

Mobile Networks

Enabling SIM PIN Protection

- Protect the SIM card from unauthorized use with a Personal Identification Number (PIN) on the SIM (in consultation with the customer/owner of the SIM).

  To enable SIM PIN protection,

  - get a mobile handset. Insert the SIM into the mobile handset.

  - from the mobile handset, enable PIN Protection.

- change the SIM PIN to 1234 (this is the default PIN for both SIM cards used in the system). You can change this SIM PIN later from ETERNITY NE when configuring the mobile port.

- remove the SIM from the mobile handset.

If you do not want to use PIN protection, insert the SIM in the mobile handset and disable PIN protection. Remove the SIM Card from the mobile handset and insert it in the mobile port's SIM holder tray.

Inserting SIM Card in the Mobile Port

- To insert the SIM card in ETERNITY NE,

  - press the SIM holder lock (the small yellow button). You may use a blunt pin to press the lock button.

  - the SIM holder tray emerges from its slot.

  - pull out SIM holder tray from its slot.

  - now, fit the SIM Card on the tray, with its contact side facing up.

  - insert the SIM holder tray back into the slot.

  - repeat the same steps to insert the other SIM card.

- Connect the antenna to the antenna connector.

The UMTS Mobile Ports of ETERNITY NE also provide Wireless WAN Interface. If you want to use wireless WAN over the Mobile port, you must have UMTS module installed in the system and Internet services activated on the SIM.

VoIP Network

Before you connect the system to WAN, we recommend that you first connect a computer to the Network Port of ETERNITY NE, configure the Basic Settings, and then connect to WAN.

- You can connect ETERNITY NE to WAN either over Ethernet port (Ethernet WAN) or over Mobile Port 1 or Mobile Port 2 (Wireless WAN).

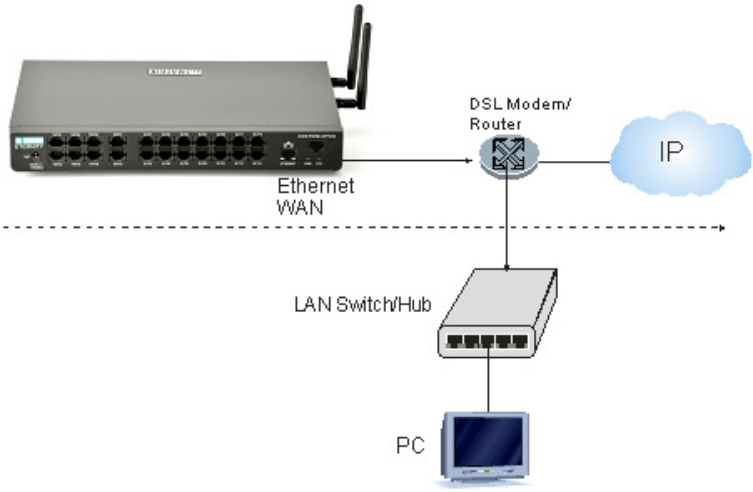
  While several installation scenarios are possible, only three most common and most typical scenarios are depicted here.

Ethernet WAN

- Use the RJ45 Ethernet cable supplied for the Ethernet port of ETERNITY to connect the system to the IP network, which may be Public Internet or a LAN.

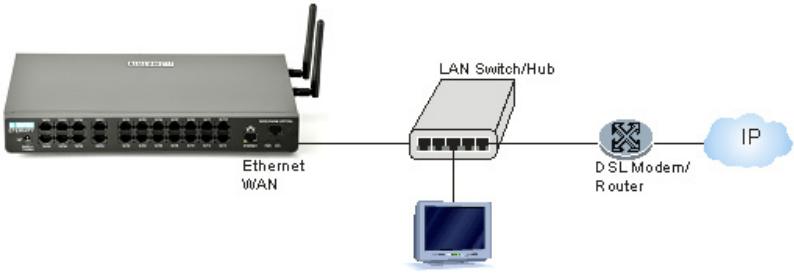
If connecting to the Public IP Network,

- Plug one end of the RJ45 Ethernet cable into the Ethernet Port of ETERNITY NE and the other end into the Broadband Router/Modem.



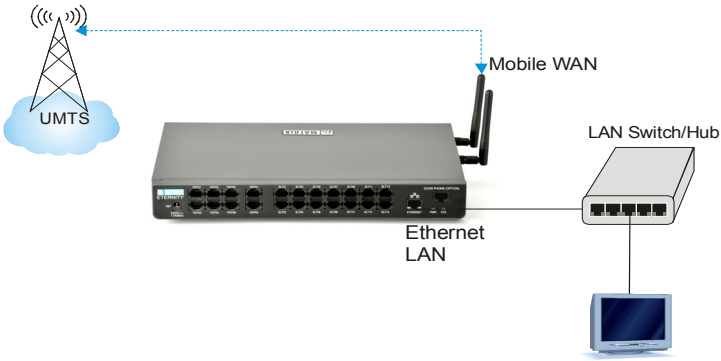
If connecting to a Private Network (Behind a NAT Router),

- Plug one end of the RJ45 Ethernet cable into the Ethernet Port of ETERNITY NE and the other end into the LAN Switch/Hub.



Wireless WAN

- Make sure that
  - You have installed a 3G UMTS module.
  - a SIM is present in the Mobile port.
  - Internet Services are activated on the SIM.



Connecting Extensions

Single Line Telephones (SLT)

- Use standard twisted wire pair the cables of good quality with RJ11 plugs to connect the analog single line telephone instruments to the SLT ports, SLT1 - SLT14 of ETERNITY NE.

- Place the SLTs, fax machine at the desired locations. Connect the SLTs, Fax machine to the wall jacks.

- Plug the RJ11 end of the telephone cables into the SLT ports of ETERNITY NE.

  Terminate the other end of the cables from the SLT ports on the wall jacks to which the SLTs, fax machine are connected.

Connecting Digital Key Phones (DKP)

- ETERNITY NE supports 2 DKP ports, DKP1 and DKP2. You may connect EON48, EONSOFT; or you may connect EON48 on one port and DSS64, the DSS Console, on the other port.

- Use standard twisted wire pair cables of good quality with RJ11 plugs to connect the DKP(s).

***To connect EON48*,**

- Place the EON48 at the desired location.
- Connect the handset of EON48 to the phone body using the spring cord supplied with the phone.
- Connect EON48 to the wall jack. Plug one end of the RJ11 cable into the connector of EON48 labeled as '**Line**'. Plug the other end into the wall jack.
- To connect EON48 to ETERNITY, plug the RJ11 end of the telephone cable into the DKP port of ETERNITY NE and terminate the other end of the telephone cable from the DKP port on the wall jack.

To connect DSS64 to EON48,

- Place DSS64 next to EON48.
- Connect DSS64 to the wall jack. Plug the RJ11 end of the telephone cable into the connector on DSS64. Plug the other end into the wall jack.
- To connect DSS64 to ETERNITY, plug the RJ11 end of the telephone cable into a DKP port of ETERNITY and terminate the other end of the cable from the DKP port on the wall jack.

To connect EONSOFT,

- Plug the RJ11 end of a telephone cable into the DKP port of ETERNITY NE. Terminate the other end from the DPK port on the wall jack.
- Plug the RJ11 end of a second cable into the connector labeled as '**DKP**' on the dongle of EONSOFT. Plug the other end into the wall jack.

For detailed instructions on installing EONSOFT, refer the *System Manual*.

Connecting SIP Extensions

When there is a VoIP module (optional) present in the ETERNITY NE, the system allows registration of 16 SIP extensions.

You may register any SIP-enabled device like an IP-phone, a Soft phone, Analog Phone Adapter, as the 'SIP Extension' of the ETERNITY NE.

You may also connect SETU VP248, the Extended IP Phone for ETERNITY as SIP extension. The Extended IP Phone takes on all the functions of EON48, the proprietary digital key phone.

The first 8 SIP extensions are free. To increase the number of SIP extensions, you will require the IP8 License. Make sure you have a valid Key for this license when connecting more than 8 SIP Extensions.

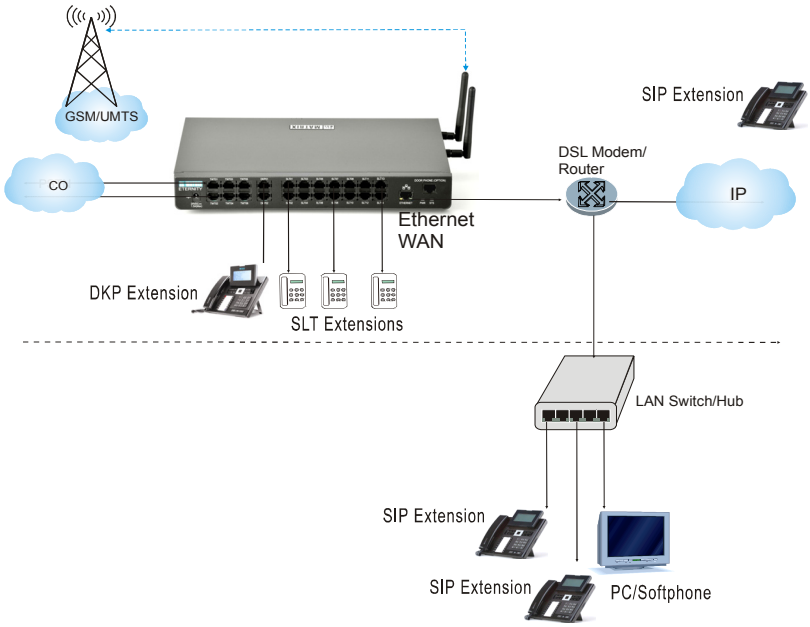
The SIP Extensions may be registered either over ***Ethernet WAN*** or over ***Wireless WAN***, according to your preference and your IP network installation scenario.

Ethernet WAN

If ETERNITY NE is connected to a ***Public Network***,

- Connect SETU VP248, the Extended IP Phone, or any Open IP Phone to the LAN Switch.
- Register any SIP client on the public network as SIP Extension.

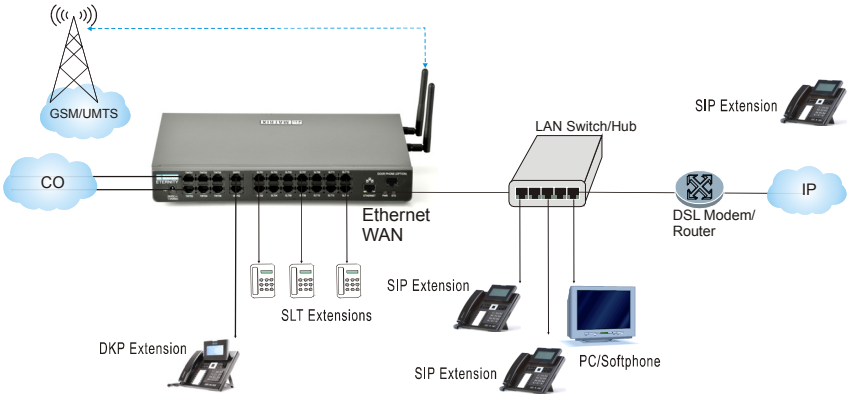
When you register any SIP device, other than the Extended IP Phone, on the public network as SIP Extension, you must configure the Registrar Server Address of ETERNITY NE, the Registrar Server Port, the SIP ID, Authentication ID and Password in the SIP device.



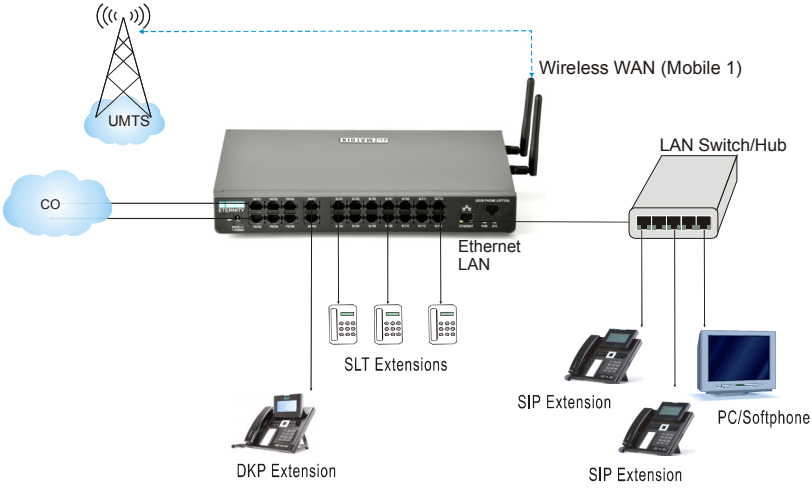
If ETERNITY NE is connected to a ***Private Network (Behind the NAT)***,

- Connect SETU VP248, the Extended IP Phone, or any standard IP Phone to the LAN Switch.

- You may also register any SIP device (Extended IP Phone or Open IP phone) on the public network as SIP Extension. In which case, configure Port Forwarding for SIP and RTP on the Router.



Wireless WAN



- Connect SETU VP248, the Extended IP Phone, or any standard IP Phone to the LAN Switch.
- You may also register any SIP device on the public network as SIP Extension.

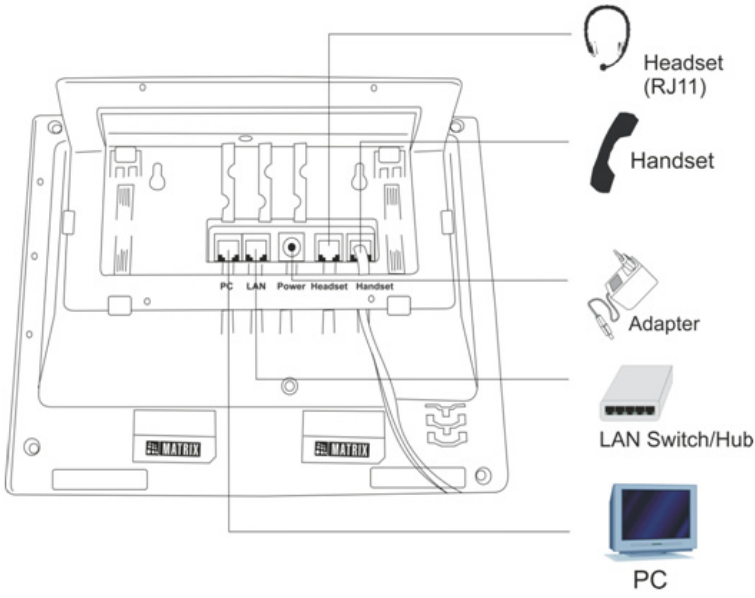
Connecting SETU VP248 as Extended SIP Extension

You are recommended to complete the following steps before connecting the Extended IP Phone to ETERNITY NE:

- Decide the location of the Extended IP Phone: within the same network or outside, according to your installation scenario.
- Log in to the web-browser Jeeves. Read the topics "How to access Jeeves" and "Basic Configuration" for instructions.
- Configure **DHCP Server** on the ***Network Parameters*** page under *Basic Settings* of Jeeves.
- Assign an extension number to the Extended IP phone on the ***Extension Numbering Plan*** page under *Basic Settings* of Jeeves.
- For the SIP extension number you assigned to the Extended IP phone, configure these parameters on the ***MATRIX Extended IP Phone Settings*** page of Jeeves.
    - Enable **Matrix Extended IP Phone Mode**.
    - Enter the **MAC Address** of the Extended IP Phone.
    - Assign the **Registrar Server IP Address**, as per you installation scenario.
- For instructions, see the topic *SIP Extensions* in the System Manual.

Now, follow the steps described below to install the Extended IP phone. The instructions are common for all models of the SETU VP248. For the purpose of illustration, the premium model, SETU VP248P, has been used.

- Unpack the SETU VP248 box and verify package contents.
- Mount the phone on a desk or wall at a location convenient to you.
- Connect the Handset to the Phone body; plug the long straightened end of the phone cord into the handset jack at the bottom of the phone, and the short end in to the bottom of the handset.



- If you want to use a Headset (not supplied) with your phone, you may plug a headset with a 2.5 mm single connector in to the headset jack on the left side panel of the phone.

  OR

- You may plug a headset with an RJ11 connector in to the headset port at the bottom of the phone.

- Connect the LAN Port of SETU VP248 to the LAN Switch/Hub.

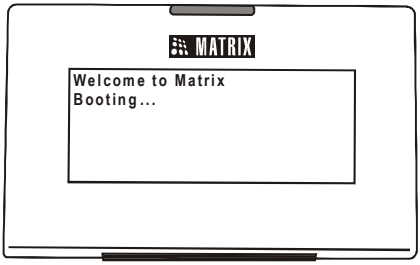
- To connect your phone to a computer on your desk, use an Ethernet cable (not supplied with this phone). Connect the PC Port of the phone with LAN Port of the computer.

- Plug the connector of the Power Adapter in to the power jack[1].

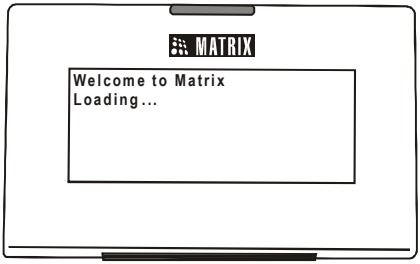
1. The SETU VP248 does not have a power switch.

If you want to use Power over Ethernet (PoE), ensure that your LAN supports PoE. Supply power through an 802.3af connection on the LAN Port of the phone. Do not connect the Adapter!

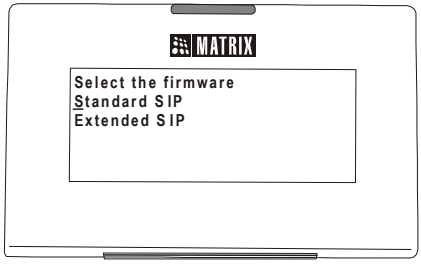
- Plug the Power Adapter in to a power outlet and switch ON power supply.
- When you power the phone, the boot process will be initiated in the following sequence.
- All keys with LEDs, including the Speaker key and the Ringer LED, will glow.
- The LCD display will light up. The following message will appear on it, as the phone boots:



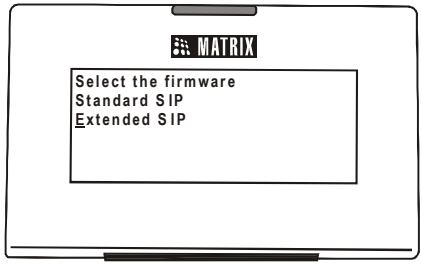
- As soon as the 'Loading...' message appears on the phone display, press **#** key.



- To select the firmware as Extended IP Phone, move the cursor by pressing the Down navigation key **V**.

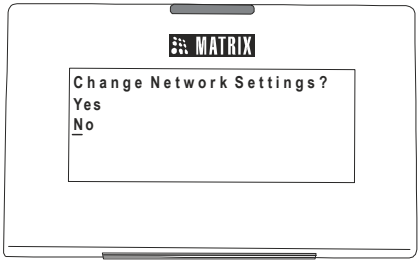


- When the cursor is placed under the Extended - IP Phone, press Enter key.



- The phone will start loading the Extended IP Phone Firmware. It will display current firmware being loaded.

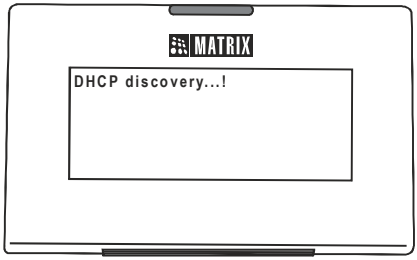
- After loading the firmware, the phone will prompt you to change Network Settings.



- Press Enter key to select ‘No’ or wait for three seconds.

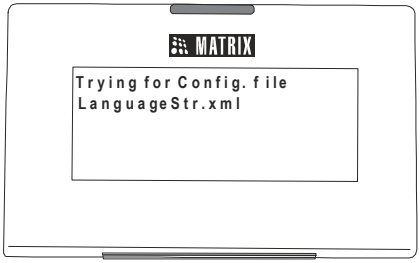
If you want to change the Network Settings, you may select ‘Yes’, by moving the cursor to Yes with the Up key and pressing the Enter key.

- The phone makes DHCP Discovery and fetches its IP Address and Server IP Address from the ETERNITY NE.

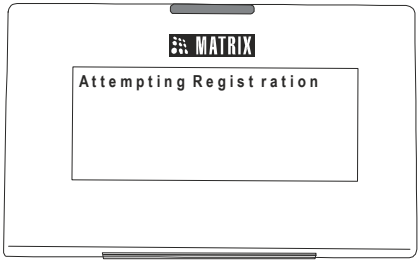


On getting the IP Address, the phone initiates Auto Configuration to download the configuration files from ETERNITY NE.

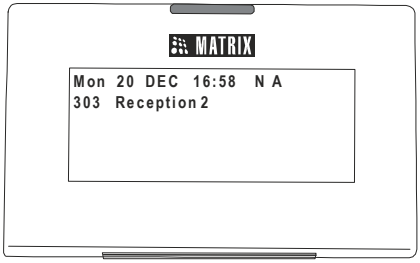
- As the phone downloads the configuration files, the file names will appear one by one.



- On successful download of all configuration files, the phone attempts to register with ETERNITY NE.



- On successful registration, the phone will display the current day, date and time, the extension number and name assigned to the extension phone.



Setting up the Voice Mail System

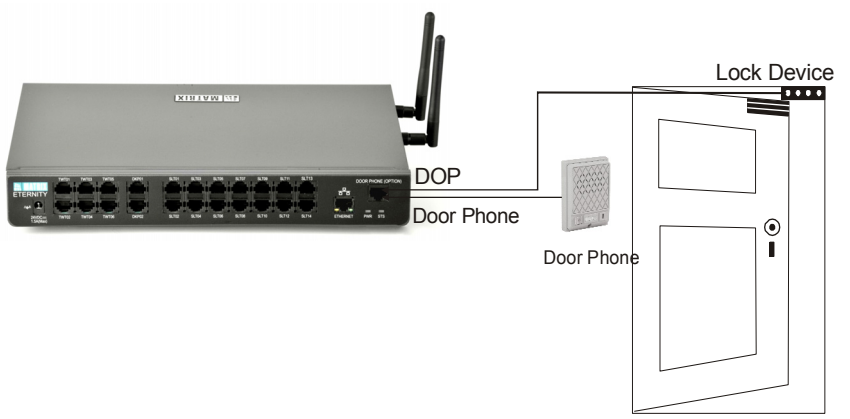
To complete the installation of the the Voice Mail System (VMS), all you need to do is:

- connect a computer to the Ethernet Port of ETERNITY NE using the RJ45 cable supplied for the port.
- open a Web browser on the computer to access the embedded web-server, *Jeeves*.
- activate the License on the Voucher sent to you with the VMS package.
- configure the Network port settings for the VMS from *Jeeves*.

Connecting Door Phone and Door Lock

The 'Door Phone' connector on the ETERNITY NE has the door phone port and the digital output port (DOP).

You may connect any standard 4-wire Door Phone and a Door Lock release relay to this port.



- Make sure the Door Phone and Door Lock conform with the specifications of the door phone port and the digital output port.

Technical Specifications of the Door Phone Port

Specification	Value
Speaker Output	1.41Vrms (max); Single Ended
Mic Input	1.34Vrms (max); Single Ended

Technical Specifications of the Digital Output Port

Specification	Value
Relay Type	Power Relay
Contact Arrangement	Normally Open; 1-Form-A
Contact Rating (Resistive Load)	1.0Amp; 24VDC
Operation Time:	8ms (max.)

- Plug the RJ45 end of the cable supplied for the Door Phone port into the Door Phone connector of ETERNITY NE. Connect the free end of the cable to the 4-wire door phone.

  If connecting a Door Lock release, connect the free end of the cable to the Door Lock release device.

  Refer to the pinout details of the Door Phone port to connect the wires correctly.

Pinout Details of Door Phone Connector

Connector	Pin	Port	Connection	Color
RJ45	1	Digital Output Port	Relay A	Orange - White
	2		Relay B	Orange
	3	Door Phone	Status	Green - White
	4		MIC Input	Blue
	5		Speaker Output	Blue - White
	6		Analog Ground	Green
	7		No connection	
	8		No connection	

Powering on ETERNITY NE

- Connect the power adapter to ETERNITY NE.
- Plug in the power adapter of ETERNITY NE into the power outlet.
- Switch on power supply and wait for the Reset Cycle to complete.

Reset Cycle

- Reset Cycle (Power-ON Self Test) takes about 2 minutes to finish.

- The power LED, PWR, is turned on and remains ON.

- When the system becomes stable after power on, the status LED, STS, blinks Green (1 second ON, 1 second OFF).

- The LEDs of the DSS keys of the Digital Key Phone(s) attached to the system are turned on in a sequence. The handshaking between DKP and ETERNITY lasts for 5-6 seconds.

- At the end of the Reset Cycle, the system loads the default extension numbers, the date and time. These will appear on the display of the DKP connected to ETERNITY NE.

- Mobile Ports take about 3 minutes to get registered with the network.

You may now access the web-based programming tool, ***Jeeves***, and configure ETERNITY NE.

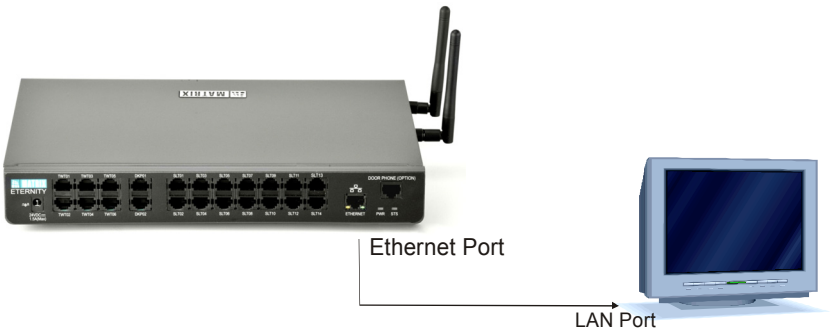
How to access Jeeves

ETERNITY NE provides an embedded web server with a graphic user Interface (GUI), *Jeeves*, for configuration.

To access Jeeves, you will need to connect a computer to ETERNITY NE.

Connecting a Computer

You may connect a standalone computer to ETERNITY NE or grab any computer connected in the same LAN as ETERNITY NE.



Connect a standalone computer to ETERNITY NE, when installing the system for the very first time. You may connect it to a computer on LAN at a later stage, once you have finished installation and configuration of the system.

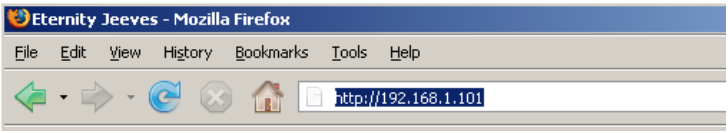
To connect a standalone computer,

- Plug one end of the RJ45 cable supplied into the Ethernet Port of ETERNITY NE. Plug the other end into the LAN port of the computer.
- Make sure the IP Address of the computer and the Ethernet Port of ETERNITY do not conflict, and that both are in the same Subnet.

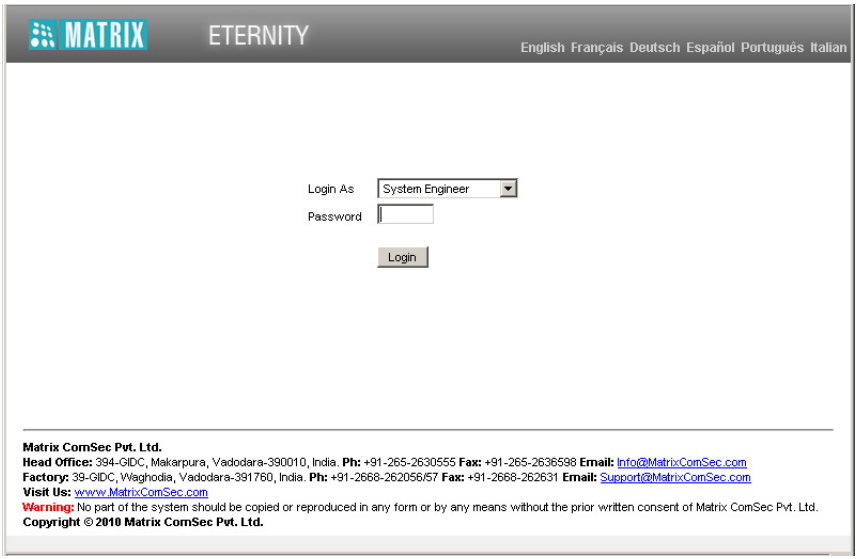
  The default IP Address of the Ethernet Port of ETERNITY is: **192.168.1.101**

  The default Subnet Mask of the Ethernet Port of ETERNITY is: **255.255.255.0**

- Change the Subnet of the computer, if necessary.
- Make sure a web-browser, either Internet Explorer 7 or 8 or Mozilla Firefox, is installed on the computer.
- Open the browser (Internet Explorer or Mozilla Firefox) on the computer.
- Enter the default IP address **192.168.1.101** of the Ethernet Port of ETERNITY NE in the address bar of the browser.



- The Welcome page will open.


MATRIX
ETERNITY
English Français Deutsch Español Português Italian
Login As
System Engineer
Password
Login
Matrix ComSec Pvt. Ltd.
Head Office: 394-GIDC, Makarpura, Vadodara-390010, India. Ph: +91-265-2630555 Fax: +91-265-2636598 Email: Info@MatrixComSec.com
Factory: 39-GIDC, Waghodia, Vadodara-391760, India. Ph: +91-2668-262056/57 Fax: +91-2668-262631 Email: Support@MatrixComSec.com
Visit Us: www.MatrixComSec.com
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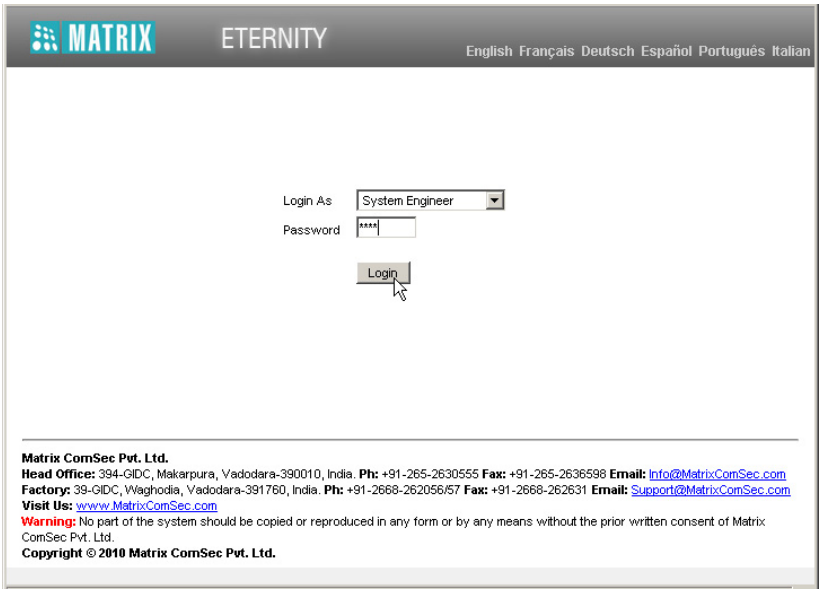
- In the **Login as** combo box, select **System Engineer.**
- In the **Password** field, enter ***1234***, the default System Engineer Password.
- Click the **Login** button.


MATRIX
ETERNITY
English Français Deutsch Español Português Italian
Login As
System Engineer
Password
Login
Matrix ComSec Pvt. Ltd.
Head Office: 394-GIDC, Makarpura, Vadodara-390010, India. Ph: +91-265-2630555 Fax: +91-265-2636598 Email: Info@MatrixComSec.com
Factory: 39-GIDC, Waghodia, Vadodara-391760, India. Ph: +91-2668-262056/57 Fax: +91-2668-262631 Email: Support@MatrixComSec.com
Visit Us: www.MatrixComSec.com
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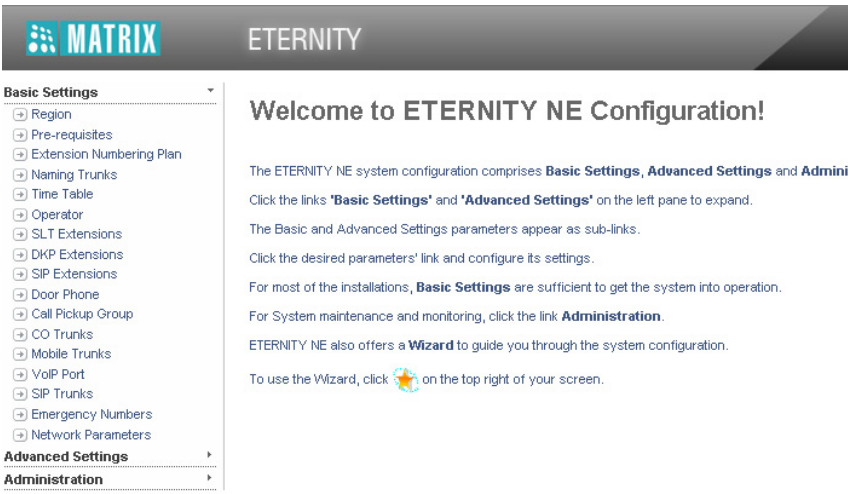
On successful login, the home page of the System Engineer configuration mode opens.

The left pane shows the links **Basic Settings**, **Advanced Settings** and **Administration**.


MATRIX
ETERNITY
Basic Settings
Region
Pre-requisites
Extension Numbering Plan
Naming Trunks
Time Table
Operator
SLT Extensions
DKP Extensions
SIP Extensions
Door Phone
Call Pickup Group
CO Trunks
Mobile Trunks
VoIP Port
SIP Trunks
Emergency Numbers
Network Parameters
Advanced Settings
Administration
Welcome to ETERNITY NE Configuration!
The ETERNITY NE system configuration comprises Basic Settings, Advanced Settings and Admini
Click the links 'Basic Settings' and 'Advanced Settings' on the left pane to expand.
The Basic and Advanced Settings parameters appear as sub-links.
Click the desired parameters' link and configure its settings.
For most of the installations, Basic Settings are sufficient to get the system into operation.
For System maintenance and monitoring, click the link Administration.
ETERNITY NE also offers a Wizard to guide you through the system configuration.
To use the Wizard, click on the top right of your screen.

Basic Settings break down the complexities of configuration and are sufficient to get your system into operation.

Advanced Settings enable you to configure the advanced features and facilities of ETERNITY NE.

Administration allows you to carry out system maintenance and monitoring like uploading configuration and firmware, debug, system restart. You can also view the system details and status of all trunk and extension ports.

- You may now configure the Basic Settings of ETERNITY NE.

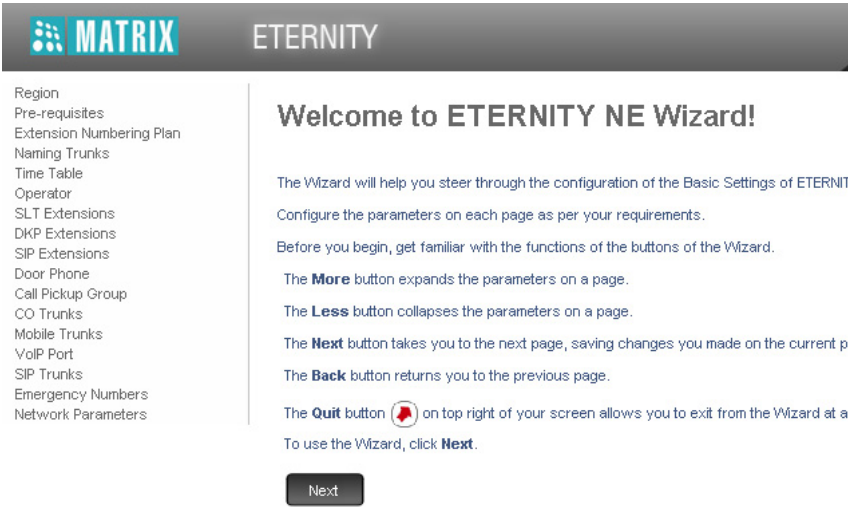
There are two ways to do the basic system configuration using Jeeves:

- using the *Wizard*.
  Or
- through Selective Configuration of basic settings.

Using the Wizard

The configuration Wizard leads you step-by-step through the configuration of the basic settings. To use the Wizard,

- Click the **Wizard** icon on the top right of your screen.The home page of the Wizard opens.


MATRIX
ETERNITY
Region
Pre-requisites
Extension Numbering Plan
Naming Trunks
Time Table
Operator
SLT Extensions
DKP Extensions
SIP Extensions
Door Phone
Call Pickup Group
CO Trunks
Mobile Trunks
VoIP Port
SIP Trunks
Emergency Numbers
Network Parameters
Welcome to ETERNITY NE Wizard!
The Wizard will help you steer through the configuration of the Basic Settings of ETERNIT
Configure the parameters on each page as per your requirements.
Before you begin, get familiar with the functions of the buttons of the Wizard.
The More button expands the parameters on a page.
The Less button collapses the parameters on a page.
The Next button takes you to the next page, saving changes you made on the current p
The Back button returns you to the previous page.
The Quit button on top right of your screen allows you to exit from the Wizard at a
To use the Wizard, click Next.
Next

- To navigate the Wizard pages use the **Next** and **Back** buttons.

- When you press the **Next** button, the changes on the current page are saved and the Wizard takes you to the next page.

- When you press the **Back** button, you will be prompted to save changes made on the current page.

- The **More** button and the **Less** button on the page allow you to expand and collapse respectively, the parameters on the page.

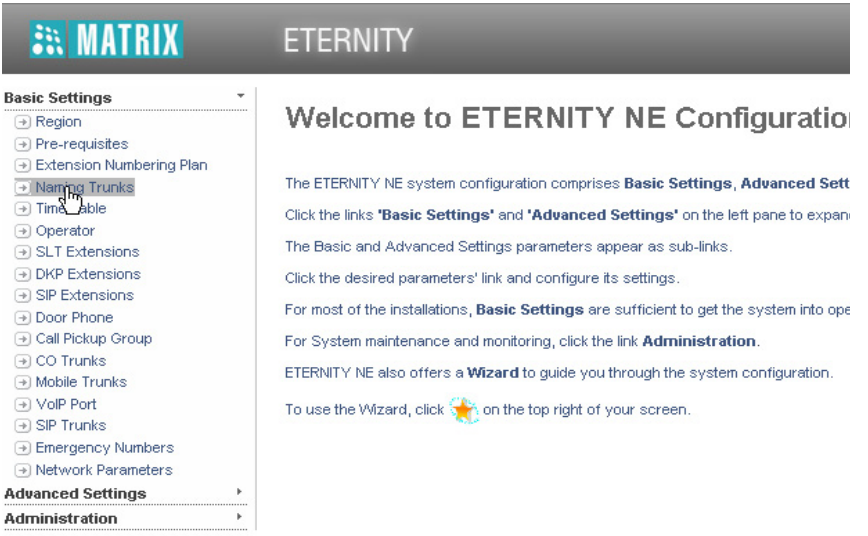
- The **Expand** button expands a link on the page to display all parameters under the link.
- The **Collapse** button collapses a link hides all the parameter under a link on the page.
- The **Settings** icon allows you to configure the settings of a parameter further.
- You may exit the Wizard at any time by clicking the **Quit** button. The changes you made before you exit will be saved.

Using Selective Configuration

You can choose the parameters you want to configure, and the order in which you want to configure. To do this,

- Click the **Basic Settings** link.

- The parameter sub-links appear on the left pane.


MATRIX
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Basic Settings
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For System maintenance and monitoring, click the link Administration.
ETERNITY NE also offers a Wizard to guide you through the system configuration.
To use the Wizard, click on the top right of your screen.

- Click the parameter sub-link you wish to configure.
- The respective parameter page opens.
- Get familiar with the buttons and icons listed below before you begin to change the settings of the parameters on each page.

  More: displays all the parameter links on the page.

  Less: displays the essential parameter links on the page.

  Expand: expands a link to display all parameters under the link.

  Collapse: collapses a link. Hides all parameters under the link.

  Settings: allows you to configure the settings of a parameter further.

  More link: displays all additional parameters on the page.

  Logout: allows you to exit Jeeves.

- Set the desired values on this page and click **Submit** button to save.

You may use the Wizard or selectively configure the Basic Settings pages, whichever works best for you. Read the *ETERNITY NE System Manual* for detailed instructions.

Activating License Key

To install the Voice Mail System or to connect more than 8 SIP Extensions, you would need to activate a License Key in the system.

Instructions for Matrix Channel Partners

Your license voucher may be a paper or a PDF (protected) file.

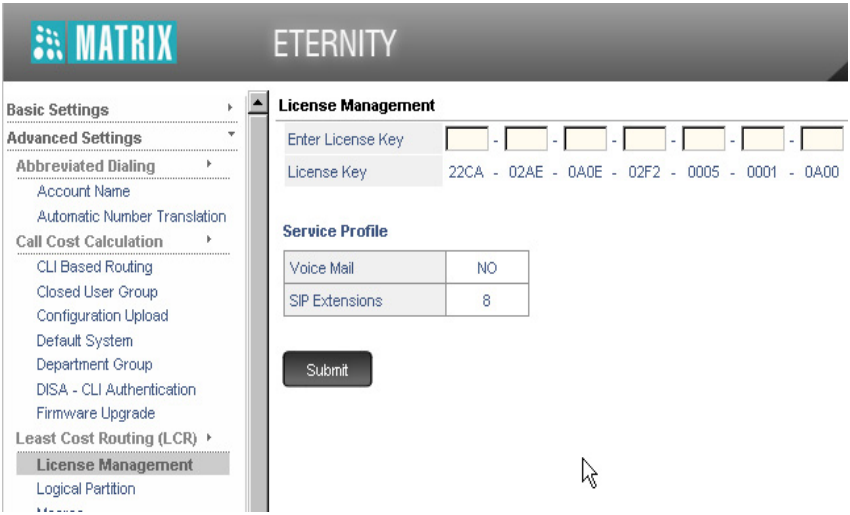
You may activate your License Online. For this, keep the following items ready:

- The License Voucher containing the 16-digit PIN.
- A valid, unique User ID and Password from the Matrix License Support Centre.
- Access to Internet.

- Current License Key of the system.

  Note down the current **License Key** of the system from the **License Management** page of Jeeves.

  The features and functions that are currently available on your system appear under **Service Profile**.

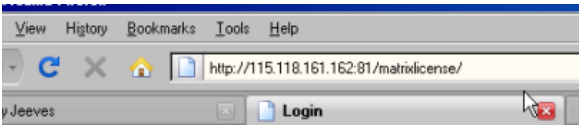


To activate the License Key *online*,

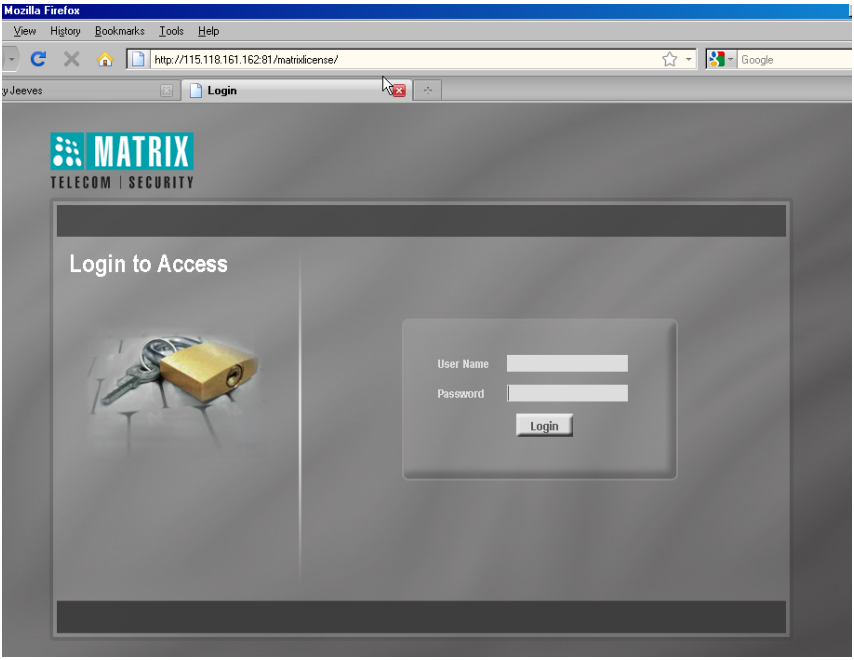
- Keep your Current License Key and the License Voucher ready.

- Open a new window on your browser.

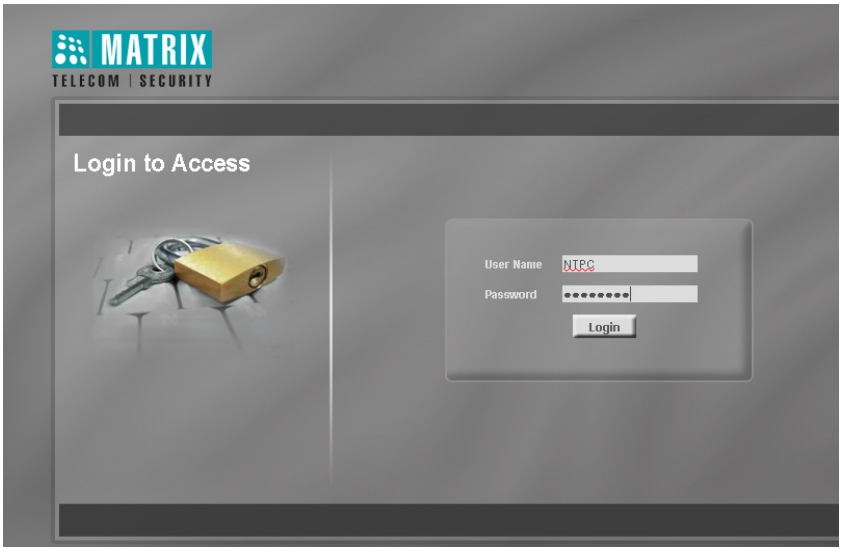
- Enter **http://115.118.161.162:81/matrixlicense** in the address bar of the new window.



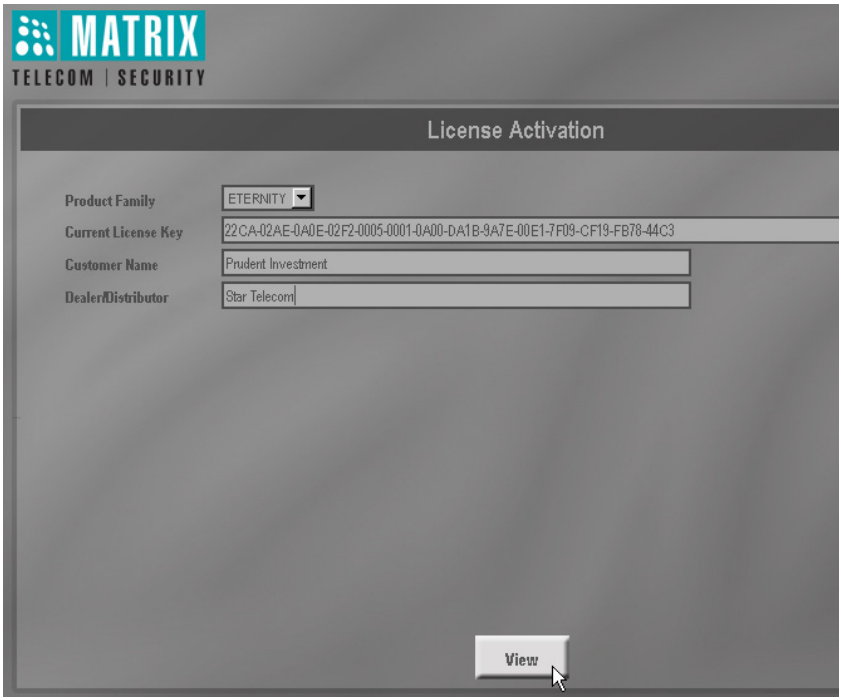
- The **Login to Access** page will open.



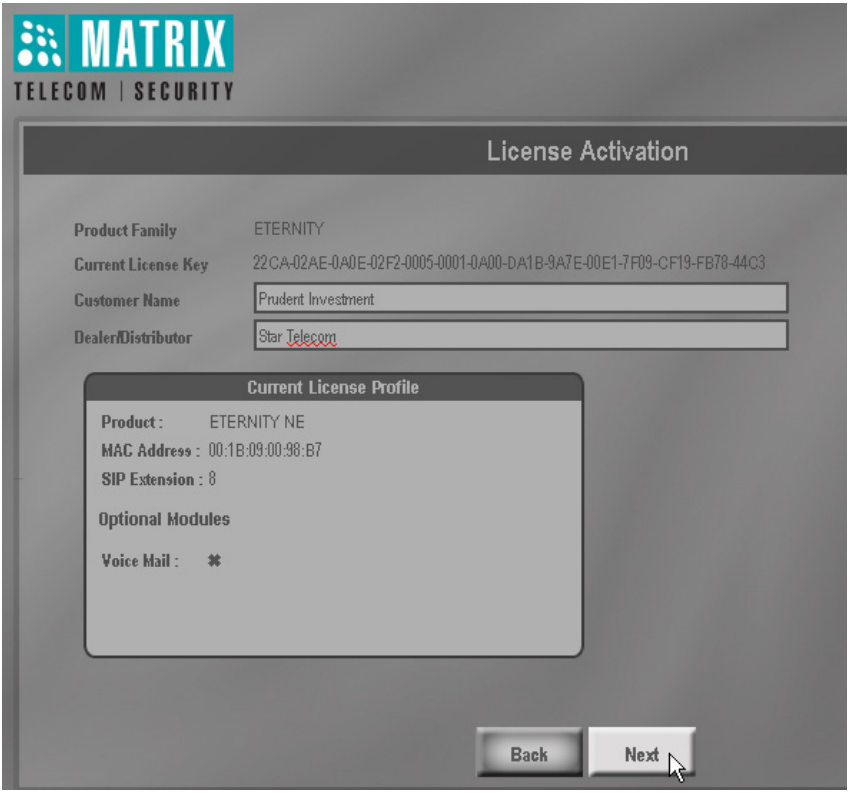
- Enter your **User Name** and **Password** provided by Matrix and click the **Login** button.



On successful login, the License Activation page will open.

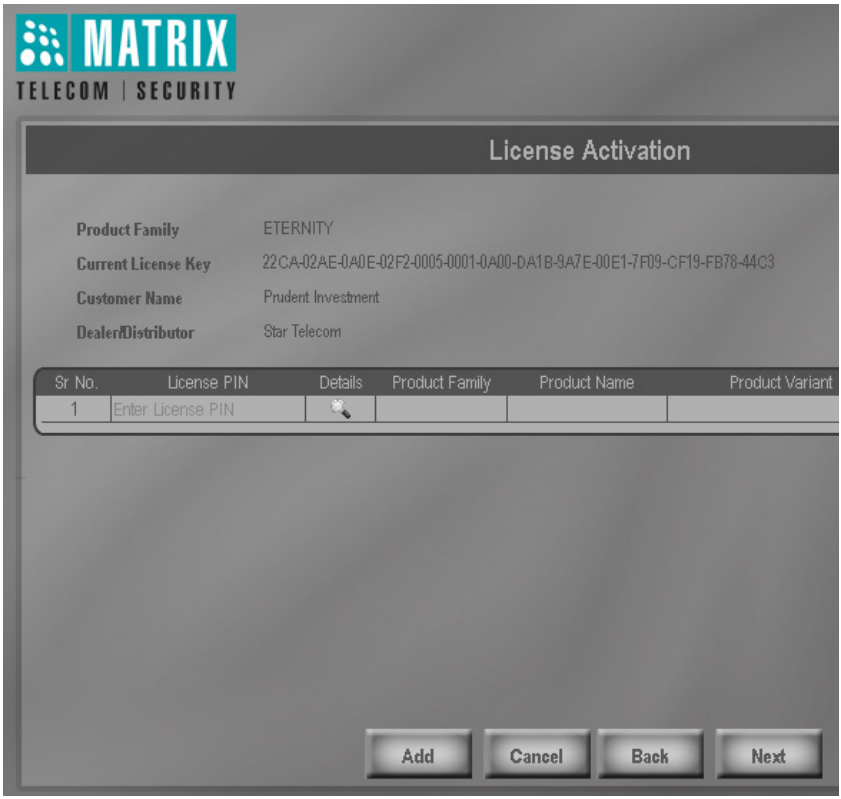


- As **Product Family**, select the option **ETERNITY**.
- In the field **Current License Key**, type the current product license key you noted from the License Management page of Jeeves.
- Click **View** button.

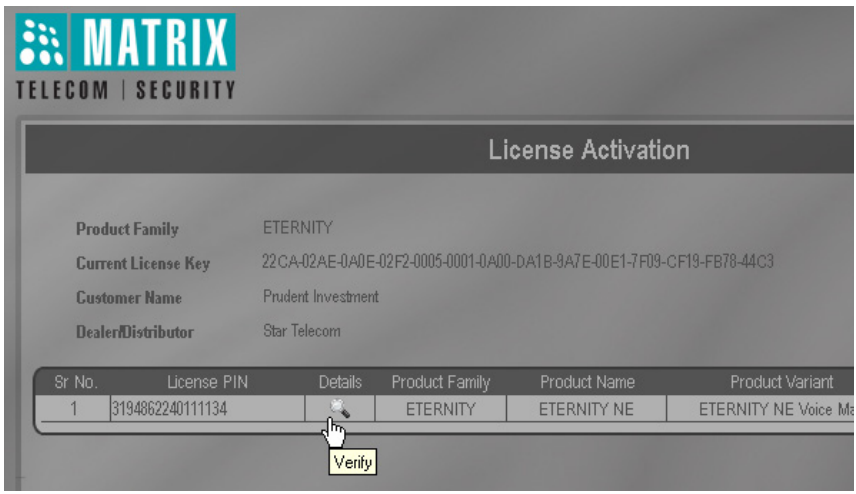


- The page will show the current License Profile on ETERNITY. Click the **Next** button to continue.

  The License Activation page opens.

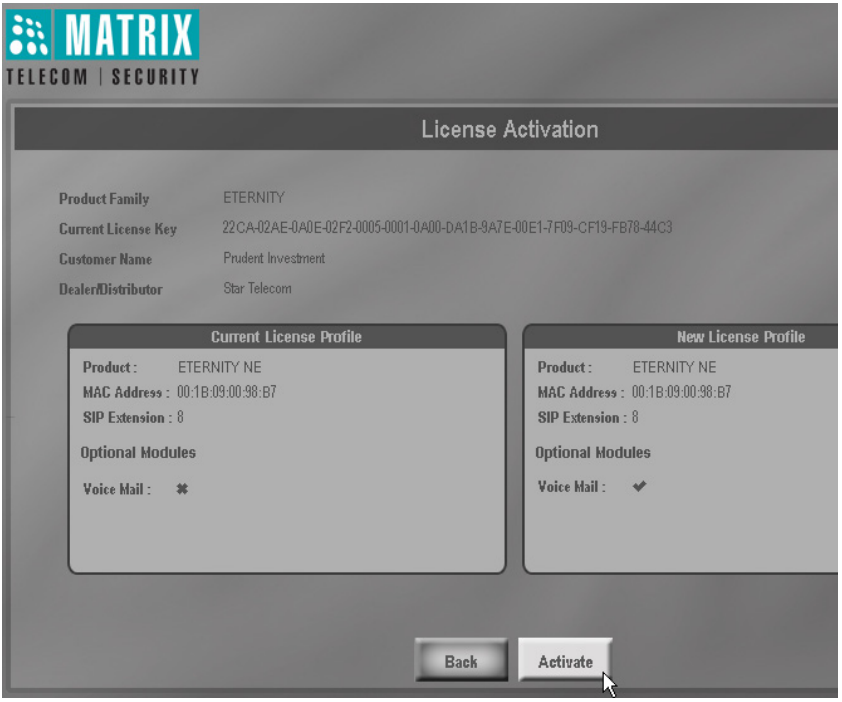


- In the **License PIN** field on this page, enter the License PIN from the Voucher.



- Click **Details**. The details appear in the fields Product Family, Product Name, Product Variant.

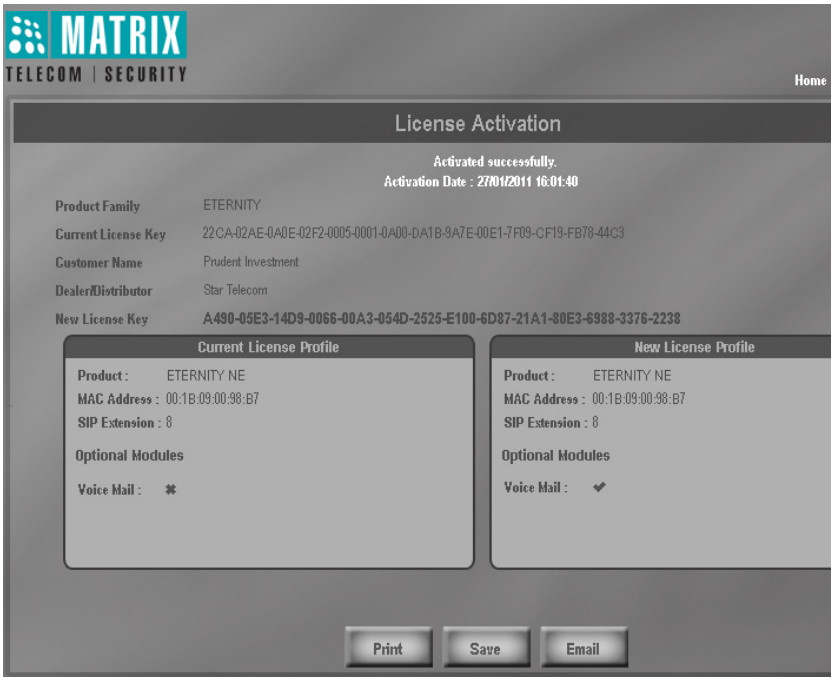
- Click the **Next** button.
  Your Current License Profile and your New License Profile will appear on this page.



- Click the **Activate** button and wait for a few seconds, as the activation is initiated.

  On successful activation, the confirmation message will appear on your screen along with the activation date and time.

  You will also be sent a confirmation mail to your e-mail ID (registered with Matrix).

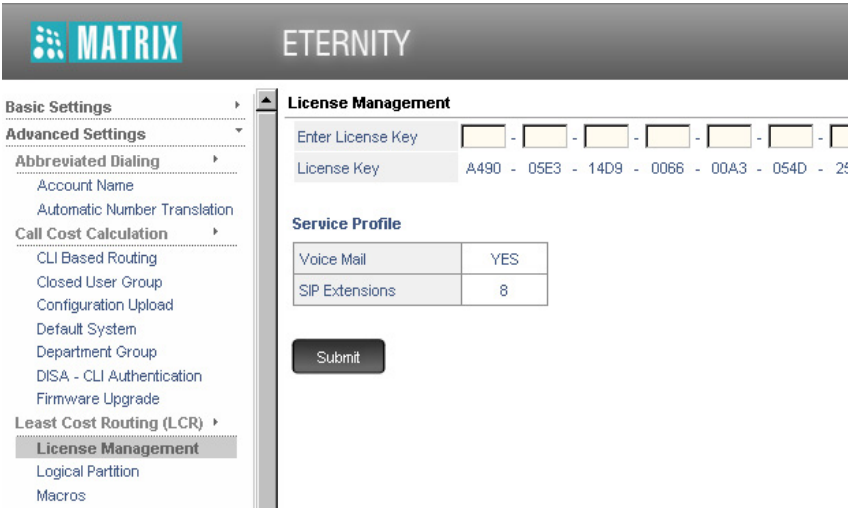


You may **Save**, **Print**, or **Email** this information for your records, by clicking the relevant button on the bottom of the page.

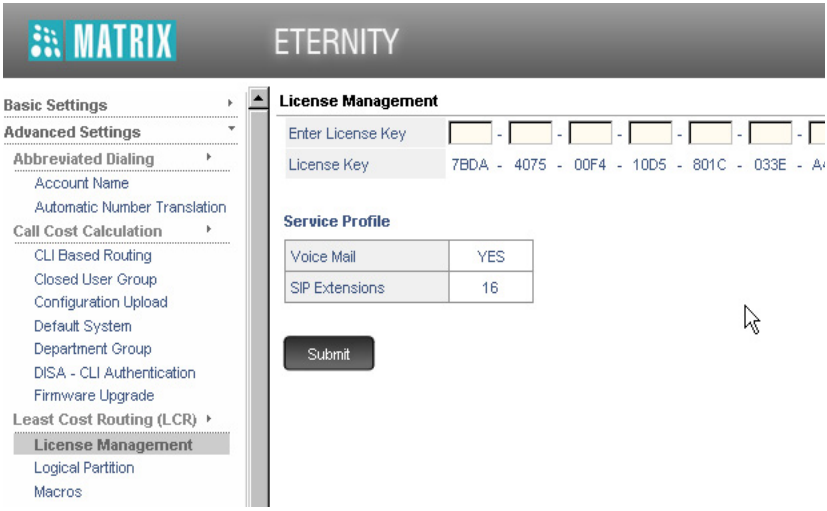
- Note down the New License Key generated on this page.
- Go back to the Jeeves window (or log in as System Engineer again, if your session has ended).
- Open the **License Management** page under **Advanced Settings**.
- Enter the new License Key generated in the field **Enter License Key**.
- Click **Submit** button.

  The Service Profile on this page will be updated according to the license.

When you activate the Voice Mail System key, it will appear on your Service Profile.



When you activate your IP8 License to enable 8 IP Users, it will appear on your Service Profile



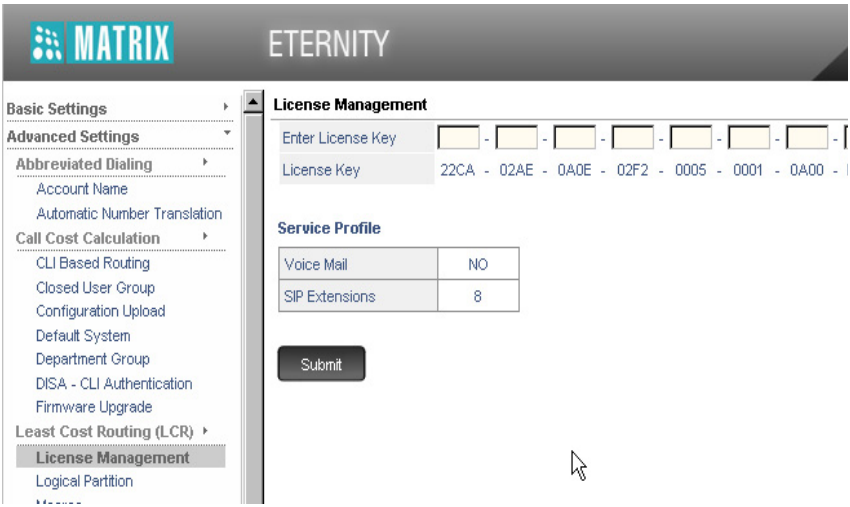
- To log off, click **Logout**.

If you are unable to use Online Activation of the License Key or have no internet access, contact the Matrix License Support Centre for assistance in generating the new License key.

Instructions for Customers

To activate your License, you would need the License Voucher containing the 16-digit License PIN. Contact your Dealer/Distributor in this regard. Your License Voucher may be a paper or a protected PDF file.

- Open Jeeves.
- Log in as System Engineer.
- Click the **Advanced Settings** link.
- Click the **License Management** link. The License Management page opens.



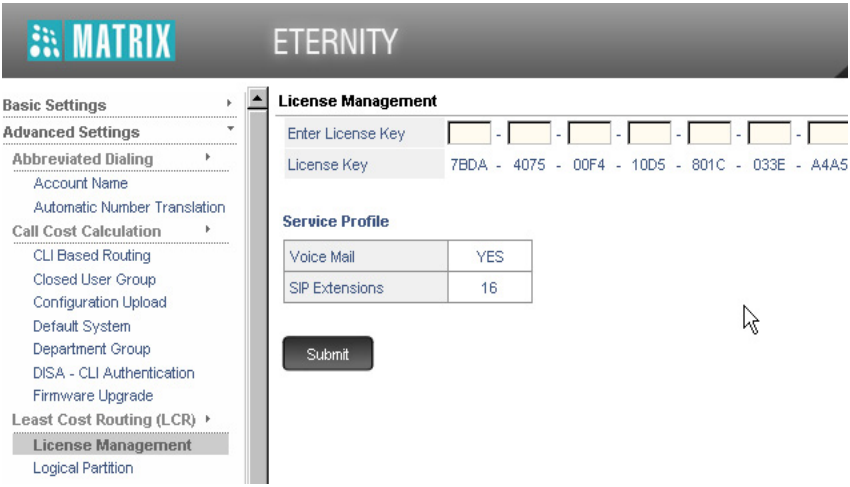
- Note down the current **License Key** on this page.

  You may view the features and functions that are currently available to you under **Service Profile**.

- Send your Current License Key and the License PIN (on the Voucher) to the Matrix License Support Centre.
- You will receive a new License Key.
- Open Jeeves again.
- Log in as System Engineer.

- Click the **License Management** link under **Advanced Settings**.
- Enter the New License Key you obtained from Matrix in the field **Enter License Key.**
- Click the **Submit** button.

  The Service Profile on this page will be updated accordingly.



- To log off, click **Logout**.

MATRIX COMSEC PVT. LTD.

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394-GIDC, Makarpura, Vadodara - 390010, India.
Tel.:+91 265 2630555, Fax: +91 265 2636598
E-mail: Info@MatrixComSec.com

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39-GIDC, Waghodia - 391760, Dist. Vadodara, India.
Tel.: +91 2668 262056/57

Technical Support:
Tel.: +91 2668 263172/73, Fax: +91 2668 262631
E-mail: Support@MatrixComSec.com

www.MatrixComSec.com

Version 1, February 2011